



INFORMATION CITED BY APPLICANT(S) THAT MAY BE MATERIAL TO THE  
PROSECUTION OF THE SUBJECT APPLICATION

Applicant: J.W. Macpherson et al. Attorney Docket No. VANS118245  
Application No.: -- Group Art Unit: --  
Filed: -- Examiner: --  
Title: METHODS FOR REDUCING THE AMOUNT OF CONTAMINANTS IN  
WATER

U.S. PATENT DOCUMENTS

*Examiner Initials	Cite No.	Document No.	Kind Code	Date (mm/dd/yyyy)	Name
<u>PAA</u>	U1	4,975,542		12/04/1990	Hirayama et al.
<u>J</u>	U2	5,053,113		10/01/1991	Krepets et al.
<u>✓</u>	U3	5,708,152		01/13/1998	Lohmann et al.
<u>PAA</u>	U4	6,130,321		10/10/2000	Johnson et al.

FOREIGN PATENT DOCUMENTS

*Examiner Initial	Cite No.	Document No.	Kind Code	Publication Date (mm/dd/yyyy)	Country	English Abstract Provided	Translation Provided
<u>PAA</u>	F1	62-62827		03/19/1987	Japan	X	
<u>J</u>	F2	8-269104		10/15/1996	Japan	X	X
<u>J</u>	F3	9-143205		06/03/1997	Japan	X	X
<u>✓</u>	F4	WO 97/42975	A3	11/20/1997	PCT	X	
<u>PAA</u>	F5	WO 00/50090	A2	08/31/2000	PCT	X	

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OTHER INFORMATION  
(Including Author, Title, Date, Pertinent Pages, Etc.)

*Examiner Initial	Cite No.
<u>PAH</u>	O1 Allan, G.G. and M. Peyron, "Molecular weight manipulation of chitosan I: Kinetics of depolymerization by nitrous acid," <i>Carbohydrate Research</i> , 277:257-272, 1995.
	O2 Bégin, A., and M-R. Van Calsteren, "Antimicrobial Films Produced From Chitosan," <i>International Journal of Biological Macromolecules</i> 26:63-67, 1999.
	O3 Demarger-André, S., and A. Domard, "Chitosan Behaviours in a Dispersion of Undecylenic Acid," <i>Carbohydrate Polymers</i> 22:117-126, 1993.
	O4 Demarger-André, S., and A. Domard, "Chitosan Behaviours in a Dispersion of Undecylenic Acid. Morphological Aspects," <i>Carbohydrate Polymers</i> 27:101-107, 1995.
	O5 Domard, A., and N. Cartier, "Glucosamine Oligomers: 1. Preparation and Characterization," <i>International Journal of Biological Macromolecules</i> 11:297-302, 1989.
	O6 Focher, B., et al., "Chitosans From <i>Euphausia Superba</i> . 2: Characterization of Solid State Structure," <i>Carbohydrate Polymers</i> 18:43-49, 1992.
	O7 Kikkawa, Y., et al., "A Convenient Preparation Method of Chito-Oligosaccharides by Acid Hydrolysis," <i>J. Fac. Agric., Tottori Univ.</i> 26:9-17, 1990.
	O8 Kumar, M.N.V.R., "A Review of Chitin and Chitosan Applications," <i>Reactive &amp; Functional Polymers</i> 46:1-27, 2000.
	O9 Li, J., et al., "Effect of Degree of Daecetylation of Chitin on the Properties of Chitin Crystallites, John Wiley & Sons, Inc. ccc 0021-8995/97/020373-08, 1997, pp. 373-380.
	O10 Muzzarelli, R.A.A., "Chitosan-Based Dietary Foods," <i>Carbohydrate Polymers</i> 29:309-316, 1996.
<u>PAH</u>	O11 Product Literature, Wilke Resources, Inc. Product literature disclosing chitosan useful in the kits of the invention, July 1998.

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- PAQ
- O12 Qu, X., et al., "pH-Sensitive Hydrogels Based on Chitosan and D,L-Lactic Acid," *Rapra Abstracts*, Oxford, Pergamon Press Ltd. 36(4):117, April 1999.
- O13 Rogozhin, S.V., et al., "The Partial Acidic Hydrolysis of Chitosan," *Polymer Science U.S.S.R.* 30(3):607-614, 1988.
- O14 Signini, R. and S.P. Campana Filho, "On the Preparation and Characterization of Chitosan Hydrochloride," *Polymer Bulletin* 42:159-166, 1999.
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PAQ O15 T. Yui et al., "Molecular and Crystal Structure of the Anhydrous Form of Chitosan," *Macromolecules*, 27:7601-7605, 1994.
- O16 Vincendon, M., "Regenerated Chitin From Phosphoric Acid Solutions," *Carbohydrate Polymers* 32:233-237, 1997.

Examiner

P.A. Hruskoci

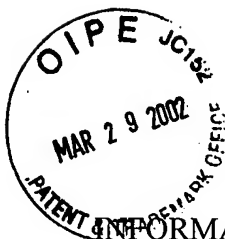
Date Considered

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Application No.: 10/033,695 Group Art Unit: 1723  
Filed: December 28, 2001 Examiner:  
Title: METHODS FOR REDUCING THE  
AMOUNT OF CONTAMINANTS IN WATER

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<u>PAW</u> U1	3,533,940		10/23/1970	Peniston et al.

FOREIGN PATENT DOCUMENTS

None

OTHER INFORMATION

(Including Author, Title, Date, Pertinent Pages, Etc.)

*Examiner Cite	
Initial No.	
<u>          </u> O1	Product Literature describing Sea-Klear® Tablets and Sea-Klear® Liquid, which were on sale at least as early as May 1, 1998 (3 pp.)

Examiner

Date Considered

P.A. HEUSKOC

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SUPPLEMENTAL INFORMATION CITED BY APPLICANTS THAT MAY BE  
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Initials No.	Document No.	Code	(mm/dd/yyyy) Name
<u>PAU</u> U5	5,932,107		August 3, 1999 Domard et al.

FOREIGN PATENT DOCUMENTS

None

OTHER INFORMATION

(Including Author, Title, Date, Pertinent Pages, Etc.)

None

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8/29/03

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